

ABSTRACT

There is provided a casing material for a storage cell having sufficient corrosion resistance and strength even under a charging environment of a high voltage exceeding 2.8 V. This casing material for the storage cell comprises C: not more than 0.03 mass%, Si: 0.01-0.50 mass%, Mn: not more than 0.20 mass%, P: not more than 0.04 mass%, S: not more than 0.0010 mass%, Ni: 20.0-40.0 mass%, Cr: 20.0-30.0 mass%, Mo: 5.0-10.0 mass%, Al: 0.001-0.10 mass%, N: 0.10-0.50 mass%, Ca: not more than 0.001 mass%, Mg: 0.0001-0.0050 mass%, O: not more than 0.005 mass%, provided that contents of Cr, Mo and N satisfy $Cr + 3.3 \times Mo + 20 \times N \geq 43$, and the balance being substantially Fe and inevitable impurities, in which a content of CaO as an oxide inclusion in steel is not more than 20 mass%.